

ABSTRACT

An inter-working function in a second generation wireless network is used as a transition node for provision of packet-data services by a packet-data service node located in a third generation network. Mobile stations operating in the second generation network that request packet-data services are connected to the packet-data service node via the inter-working function, wherein the inter-working function extends a point-to-point protocol connection between the mobile station and the packet-data service node. In the event that the mobile station roams between the second generation and the third generation networks, either dormant or hard handoff procedures can be employed that allow a previously-established point-to-point protocol connection to be reused without being renegotiated following the handoff.